



# Certificate of Analysis

## TIMP-1 Protein, Human (HEK293)

**Cat. No.:** HY-P73597  
**Batch No.:** 247505  
**Species:** Human  
**Source:** HEK293  
**Tag:** Tag Free  
**Accession:** P01033 (C24-A207)  
**Gene ID:** 7076  
**Molecular Weight:** Approximately 26 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit human MMP-2 cleavage of a fluorogenic peptide substrate MCA-PLGL-DPA-AR-NH <sub>2</sub> and the IC <sub>50</sub> value is < 6 nM.	0.13 nM
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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